OIPE IAP48 MAR 02 2006 PATENT & TRADEMARK OFFICE

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in this application.

Listing of Claims:

1. (currently amended): An aqueous dispersion which is at least partially neutralized, of adducts ~~Adducts~~ **ABC** of epoxy resins **A** and reaction products **BC** of epoxy resins **B** with phosphorus-derived acids **C**, ~~and mixtures of such~~ wherein the adducts~~, comprising~~ comprise a mass fraction of not more than 5 % of unreacted acid **C**, and wherein the reaction products **BC** ~~containing~~ contain at least one acidic phosphoric ester group or phosphonic ester group per molecule.

2. (currently amended): The aqueous dispersion of claim 1 wherein the adducts ~~Adducts~~ **ABC** ~~as claimed in claim 1, whose~~ have an acid number is from approximately 10 to approximately 70 mg/g.

3. (currently amended): The aqueous dispersion of claim 1 wherein the ~~Adducts~~ ~~**ABC** as claimed in claim 1, whose~~ specific epoxide group content of the adducts **ABC** is not more than 100 mmol/kg.

4. (currently amended): The aqueous dispersion of claim 1 wherein the ~~Adducts~~ ~~**ABC** as claimed in claim 1, whose~~ mass fraction of phosphorus in the adducts **ABC** is between 0.8 and 4 %.

5. (currently amended): The aqueous dispersion of claim 1 wherein the ~~Adducts~~ ~~ABC as claimed in claim 1, whose~~ Staudinger index of the adducts **ABC** is from 8.0 to 20.0 cm^3/g.

6. (currently amended): The aqueous dispersion of claim 1 wherein the epoxy resins **A** are selected from the group consisting of epoxy resins ~~Adducts ABC~~ ~~comprising units derived from epoxide compounds~~ derived from bisphenol A and/~~or~~ epoxy resins derived from bisphenol F.

7. (currently amended): The aqueous dispersion of claim 1 wherein the adducts ~~Adducts~~ **ABC** ~~comprising~~ comprise units derived from orthophosphoric acid.

8. (currently amended): A process for preparing the aqueous dispersion of claim 1 ~~adducts ABC as claimed in claim 1,~~ which comprises in a first step preparing a reaction product of an epoxide compound **B** with a phosphorus-derived acid **C** selected from inorganic acidic phosphorus compounds **C1** and organic phosphonic acids **C2**, the compounds **B** and **C** being used in amounts such that the amount-of-substance ratio of acidic hydrogen atoms in **C** to epoxide groups in **B** is 0.3 to 0.9:1, and in a second step reacting the reaction product **BC** with an epoxide compound **A** to give an adduct **ABC**, the reaction being continued until the specific epoxide group content, based on the solids of the reaction mixture, is less than 100 mmol/kg, in a third step, at least partially neutralizing the adduct **ABC**, and in a final step, dispersing the at least partially neutralized adduct in water.

9. (withdrawn): A method of use of the adducts **ABC** for preparing aqueous one-component coating materials, comprising mixing the adducts **ABC** with a heat-activable curing agent selected from amino resins, phenol-formaldehyde resins, and blocked isocyanates, at least partly neutralising the remaining acidic groups being by addition of neutralizing agents, and dispersing the mixture in water.

10. (withdrawn): A method of use of the adducts **ABC** for preparing aqueous two-component coating materials, comprising at least partly neutralising the adducts **ABC** by addition of neutralizing agents, and dispersing in water, and mixing this dispersion intimately immediately prior to application with nonblocked polyfunctional isocyanates or amino resins.

11. (currently amended): A method of ~~use of adducts **ABC** for~~ preparing ~~aqueous physically drying~~ a coating ~~materials, comprising at least partly neutralising the adducts **ABC** by the addition of neutralizing agents and dispersing in water.~~ on sheets of base metals, comprising applying the aqueous dispersion of claim 1 to a sheet of base metal, and drying the coated sheet.

12. (new): The aqueous dispersion of claim 1 wherein the epoxy resins **B** are selected from the group consisting of epoxy resins derived from bisphenol A and epoxy resins derived from bisphenol F.